

10/578428
AP20 Rec'd PCT/PTO 05 MAY 2006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Wolfgang BARNIKOL-3 PCT
PCT NO.: PCT/EP2004/012363
FILED: NOVEMBER 2, 2004
TITLE: USE OF HYPERPOLYMERIC HEMOGLOBIN FOR THE TREATMENT
OF PULMONARY EDEMA

INFORMATION DISCLOSURE STATEMENT

MAIL STOP PCT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicant is enclosing Form PTO-1449 disclosing the references cited in the International Search Report, copy enclosed. DE 197 01 37, EP 97 100790, DE 44 18 937, DE 38 42 105, DE 37 14 351 and DE 35 76 651 were discussed in the Specification on page 9. DE 100 31 740 and DE 100 31 744 A1 were discussed in the Specification on pages 10 and 11, respectively. Diverse articles are discussed in the Specification on pages 2, 5, 6, 7, 9 and 24. Since the instant Information Disclosure Statement is being filed concurrently with the application, no official fee is required in connection with the same. It is respectfully requested that the foregoing Information Disclosure Statement be incorporated into the official file of the

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concurrently-filed PCT patent application.

Respectfully submitted,

Wolfgang BARNIKOL

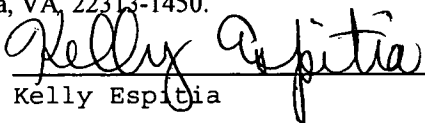
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Enclosures: PTO-1449 form and International Search Report

EXPRESS MAIL NO. EV 808 535 476 US
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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above, and is addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.


Kelly Espitia

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
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LIST OF REFERENCES CITED BY
APPLICANT

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FILING DATE:

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/L.J.H./	AB	WO 02/00230A	01/2002	PCT (ISR)				
	AC	WO 02/00768A	01/2002	PCT (ISR)				
	AD	WO 03/094953A	11/2003	PCT (ISR)				
	AE	DE 100 31 740 A1	02/2002	Germany (ISR and Spec)				
	AF	DE 100 31 744 A1	01/2002	Germany (ISR) and Spec				
	AG	DE 197 01 37	10/1967	Germany (Spec)				
	AH	EP 97 100 790		European (Spec)				
	AI	DE 44 18 937	08/1995	Germany (Spec) (w/English Abstract)				
	AJ	DE 38 41 105	06/1990	Germany (Spec) (w/English Abstract)				
	AK	DE 35 76 651	04/1990	Germany (Spec) (English Abstract Only)				
/L.J.H./	AL	DE 37 14 351	11/1988	Germany (Spec) (w/English Abstract)				

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APPLICANT : Wolfgang BARNIKOL

fgang BARNIKOL
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

/L.J.H./	AL	Barnikol Wolfgang K R Et Al: "New artificial oxygen carriers made of pegulated polymerised pyridoxylated porcine haemoglobin (P4Hb)" COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY PART A MOLECULAR AND INTEGRATIVE PHYSIOLOGY, vol. 132A, no. 1, May 2002 (2002-05), pages 185-191, XP002318526 ISSN: 1095-6433
		<p>Vandegriff KD: "Haemoglobin-Based Oxygen Carriers" EXPERT OPINION ON INVESTIGATIONAL DRUGS, ASHLEY PUBLICATIONS LTD., LONDON, GB, vol. 9, no. 9, 2000, pages 1967-1984, XP008034792, ISSN: 1354-3784</p> <p>Barnikol WK R Et Al: "Haemoglobin hyperpolymers, a new type of artificial oxygen carrier - Concept and current state of development" TRANSFUSION MEDICINE AND HEMOTHERAPY, vol. 31, no. 4, August 2004 (2004-08), pages 269-281, XP 009044191 ISSN: 1660-3796</p> <p>Barnikol Et Al: "Hyperpolymere Hämoglobine als künstliche Sauerstoffträger" THERAPIEWOCHE, vol. 15, 1996, pages 811-815, XP09044173</p> <p>Riess, J.G.: "Oxygen Carriers ("Blood Substitutes") - Raison d'Etre, Chemistry, and some Physiology," Chemical Reviews 101 (2001): 2797-2919. (Spec p. 2) to follow</p> <p>Böcker, W., Denk, H., Heitz Ph. U (Ed.): Pathology, Urban & Schwarzenberg, Munich and elsewhere 1997; (Spec. p. 6) to follow</p> <p>Gerock W., Hube CH, Meinertz T., Zeidler, H. (Ed.): Gross-Schölmerich-Gerock-Die Innere Medizin, 10th completely new revision and expanded edition, Schattauer, Stuttgart and New York 2000. (Spec. pp. 6-7). to follow</p> <p>Weikrauch, T.R. (Ed.): Wolff-Weikrauch-Internistische Therapie 2000/2001, 13th revised edition, Urban & Fisher, Munich, and Jena 2000 (Spec. p. 7) to follow</p> <p><u>Arch. Cardio. Mex., Vol. 72, pages 280-285 (Spec. p. 7) to follow</u></p> <p>Katren, V.: "The Conjugation of Proteins with Polyethylene Glycol and Other Polymers - Altering Properties of Proteins to Enhance Their Therapeutic Potential," Advanced Drug Delivery Reviews 10 (1993): 91-114 (Spec. p. 9) to follow</p> <p>Pöttschke H. et al. (1997): "Molar Masses and Structure in Solution of Haemoglobin Hyperpolymers - A Common Calibration of Size Exclusion Chromatography of These Artificial Oxygen Carriers, " Artificial Cells, Blood Substitutes, and Immobilization Biotechnology 25, 527-540) on Sephacryl S-400 HR gel (Pharmacia Biotech, Freiburg, Germany) (Spec. p. 24) to follow</p>
/L.J.H./		

EXAMINER

/Lisa J. Hobbs/

DATE CONSIDERED

11/06/2007